

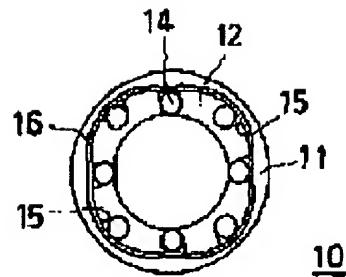
## LINEAR BALL BEARING

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- **international:** F16C29/06; F16C33/62  
- **european:**  
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### Abstract of JP7004433

**PURPOSE:** To make a bearing main body of material light in specific gravity as compared with a track member by forming hard material into the track member between the bearing main body and its cage.

**CONSTITUTION:** The linear ball bearing includes a bearing main body 11 in a cylindrical shape, a cage 12 installed in the inner wall of the bearing main body 11, and has a track member 16 in a thin wall shape interposed between the bearing main body 11 and the cage 12. The bearing main body 11 is formed out of a casting light alloy such as an aluminum alloy and the like, or is formed through the fabrication of synthetic resin and the like, and the track member 16 is formed out of a hardened metallic material such as a hardened steel, nitriding steel and the like, or out of a hard material in a thin wall shape such as ceramic molded items. Therefore, its manufacturing processes are greatly simplified, and its manufacturing cost can thereby be reduced.



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